

12-10-01
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

11/13/01

11/13/01

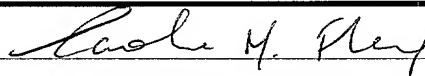
| | | |
|--|---|-----------------|
| UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</small> | Attorney Docket No. | 3070.1008-000 |
| | First Named Inventor or Application Identifier | Miaochen Wu |
| | Express Mail Label No. | EV 005369512 US |
| Title of Invention | FREQUENCY ACQUISITION AND LOCKING DETECTION CIRCUIT FOR PHASE LOCK LOOP | |

| | |
|---|--|
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231 |
|---|--|

| | |
|--|---|
| 1. <input type="checkbox"/> Fee Transmittal Form <i>(Submit an original, and a duplicate for fee processing)</i> | 6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i> |
| 2. <input checked="" type="checkbox"/> Specification [Total Pages [25]] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to microfiche Appendix - Background of the Invention - Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Abstract of the Disclosure | 7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) [] Pages c. <input type="checkbox"/> Statement verifying identity of above copies |
| 3. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets [9]] <input type="checkbox"/> Formal <input checked="" type="checkbox"/> Informal <input checked="" type="checkbox"/> Fig. of the Drawings for Publication [5] | ACCOMPANYING APPLICATION PARTS |
| 4. <input type="checkbox"/> Oath or Declaration/POA [Total Pages []] <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> [NOTE Box 5 below] <ul style="list-style-type: none"> i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). | 8. <input type="checkbox"/> Assignment Papers (cover sheet & documents) <input checked="" type="checkbox"/> Assignee - Narad Networks, Inc Westford, Massachusetts 01886 |
| 5. <input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i> The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. | 9. <input type="checkbox"/> 37 C.F.R. 3.73(b) Statement <input type="checkbox"/> Power of Attorney 10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) 14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, status still proper and desired 15a. <input type="checkbox"/> Foreign Priority Claim under 35 U.S.C. §119(a)-(b) 15b. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input type="checkbox"/> Nonpublication Request <i>(check parent application)</i> 17. <input type="checkbox"/> Other: _____ |

| |
|--|
| 18. If a CONTINUING APPLICATION , check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: |
|--|

| | | | | | |
|-----------------------------------|---|-----------|----------------|----------|----------------|
| 19. CORRESPONDENCE ADDRESS | | | | | |
| NAME | Leo R. Reynolds, Esq. | | | | |
| | HAMILTON, BROOK, SMITH & REYNOLDS, P.C. | | | | |
| ADDRESS | 530 Virginia Road, P.O. Box 9133 | | | | |
| CITY | Concord | STATE | MA | ZIP CODE | 01742-9133 |
| COUNTRY | USA | TELEPHONE | (978) 341-0036 | FAX | (978) 341-0136 |

| | | | |
|---------------------------------------|---|-------------|----------|
| Signature |  | Date | 11/12/01 |
| Submitted by Typed or Printed Name | Caroline M. Fleming | Reg. Number | 45,566 |

**HAMILTON
BROOK
SMITH &
REYNOLDS, P.C.**

PATENTS, TRADEMARKS
COPYRIGHTS & LITIGATION

530 VIRGINIA ROAD
P.O. BOX 9133
CONCORD, MA 01742-9133
TEL (978) 341-0036
FAX (978) 341-0136
www.hbsr.com

MUNROE H. HAMILTON
(1906-1984)

ANNOUNCEMENT

DAVID E. BROOK
JAMES M. SMITH
LEO R. REYNOLDS
JOHN L. DUPRÉ
DAVID J. BRODY
MARY LOU WAKIMURA
ALICE O. CARROLL
N. SCOTT PIERCE
HELEN E. WENDLER
SUSAN G. L. GLOVSKY
DOREEN M. HOGLE
RICHARD W. WAGNER
ROBERT T. CONWAY
RODNEY D. JOHNSON
DAVID J. THIBODEAU, JR.
ANNE J. COLLINS
LISA M. TREANNIE

JACQUELINE M. ARENDT
GERALD M. BLUHM
JOHN M. CARD
LINDA M. CHINN
STEVEN G. DAVIS
JEFFREY J. DUQUETTE
CAROL A. EGNER
ERIK L. ENCE
TODD A. GERETY
ANTOINETTE G. GIUGLIANO
JOYCE C. HERSH
JONG P. HONG
PAUL P. KRIZ
C. STEVEN KURLOWECZ
HELEN LEE
CHRISTOPHER J. LUTZ
TIMOTHY J. MEAGHER
DEIRDRE E. SANDERS
KEVIN T. SHAUGHNESSY
MARK B. SOLOMON
J. SCOTT SOUTHWORTH
CRISTINA TAYLOR*
ION C. TRACHTENBERG
DARRELL L. WONG
* NOT ADMITTED IN MASS.

OF COUNSEL
RICHARD A. WISE
ANNE I. CRAIG
ELIZABETH W. MATA

SUPERVISING PATENT AGENT
CAROLYN S. ELMORE

PATENT AGENTS
SUSAN M. ABELLEIRA
SANDRA A. BROCKMAN
THERESA A. DEVLIN
CAROLINE M. FLEMING
MARY K. MURRAY
PAMELA A. TORPEY
ROBERT H. UNDERWOOD

TECHNOLOGY SPECIALISTS
PAUL G. ALLOWAY
KELLIE L. CARDEN
COLIN C. DURHAM
JESSE A. FECKER
JOSEPH M. MARAJA
DAVID RUCANDO
VIVIEN TANNOCH
KAREN J. TOWNSEND
BRIAN P. TURANO
MICHAEL M. YAMAUCHI
JOSEPH C. ZUCCHERO

MICHAEL KEWESHAN
ADMINISTRATIVE DIRECTOR
BARBARA J. FORGUE
ADMINISTRATOR OF
PATENT AND
TRADEMARK PRACTICE

Please note that Hamilton, Brook, Smith & Reynolds, P.C.,
has relocated.

Effective immediately, our new postal address and contact
numbers are as follows:

Hamilton, Brook, Smith & Reynolds, P.C.
530 Virginia Road
P.O. Box 9133
Concord, Massachusetts 01742-9133
USA

Telephone: (978) 341-0036
Facsimile: (978) 341-0136